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*[Continued on next page]*

(54) Title: METHODS AND REAGENTS FOR TREATING, PREVENTING AND DIAGNOSING BUNYAVIRUS INFECTION

DNA: AGTAGTGTACTACCAAGTATAGATAACGTTGAAATACTAAAGTTTGAATC  
DNA: AAAGCCAAAGATGTTTATATATGGTGCATAATTACAGTGGCAGCTGCAAG  
M(1): M I C I L B L I T V R A A S 51  
DNA: CCCAGTGTATCAAAGGTGTTCCAAGATGGGGCTATAGTGAAGCAAACCC  
M(15): P V Y Q R C F Q D G A I V K Q N P 102  
DNA: ATCCAAAAGAAGCAGTTACAGAGGTGTCCTGAAAGATGATGTAGCATGAT  
M(32): S K E A V T E V C L K D D V S M I 204  
DNA: CAAACAGAGGCCAGGTATGTAAGAAATGCCACAGGAGTTTTCAAATAA  
M(49): K T E A R Y V R N A T G V F S N N 255  
DNA: TGTCGCAATAAGGAATGGCTAGTCCTCTGATGGCATGATTCAGGCCAA  
M(66): V A I R K M V S D W H D C R P K 306  
DNA: GAGAGTCGTTGGGGACACATCAATGTAATAGAAGCTGGTATGACCTGTC  
M(83): K I V G G R I N V I E V G D D L S 357  
DNA: ACTCCATACTGAATCATATGTTGAGCGCAGATTGTAACCATAGGTGAGA  
M(100): L H T E S Y V C S A D C T I G V D 408  
DNA: CAAAGAGACTGCAAGGTCAGGCTTCAGACAGATAACCAAAATCTTTTG  
M(117): K E T A Q V R L Q T D T T N H F E 459  
DNA: AATTGCAAGGCACTACTGTGAGTCAGGATGGTCAGAGAGCACGACATA  
M(134): I A G T T V K S G W F K S T T Y I 510  
DNA: AACTCTTGATCAAACTTGCAGAACACCTTAAAGTTCTGGGGCCAAAATC  
M(151): T L D Q T C E H L K V S C G P K S 561  
DNA: TGTCAGGTTCCATGCCCTGCCTCAATCAGCATATGCTTGGCTCAGAATT  
M(168): V Q F H A C F N Q H M S C V R F L 612  
DNA: ACACAGGACAAATATGCCCTGGCTCTATAGCCAATCCCTATGTCAGAA  
M(185): H R T I L P G S I A N S I C Q N I 663  
DNA: CGAAATCNUAATTAGTTACCTTACCTCTATTAATCTTTATATTGTTAAG  
M(202): E I I I L V T L T L L I F I L L S 714  
DNA: CATTTAAAGTAAGACTTATATATGTTTATTAATGCTTATATCATCCC  
M(219): I L S K T Y I C Y L L M P I F I P 765  
DNA: CATAGCATATATATACGGTATATTTACATAAGTGGTGCACAAAATGCAA  
M(236): I A Y I Y G I I Y N K S C K K C K 816  
DNA: ATTATGTCGGTTAGTGTATCATCCATTACAGAGTGTGGCACACATTGTG  
M(253): L C G L V Y H P F T E C G T H C V 967  
DNA: CTGTGGTGGCCCTGTTATAAAGCTTAAGAGTCGCCAGAGTCAGAGCTTC  
M(270): C G A R Y D T S D R M K L H R A S 918  
DNA: TGGATTTGCCCCCTGTTATAAAGCTTAAGAGTCGCCAGAGTCAGAGCTTC  
M(287): G L C P G Y K S L R A A R / V M C R 969

(57) Abstract: Immunogenic compositions for use in treating, preventing and diagnosing infection caused by the California (CAL) serotype of the genus *Bunyavirus*, such as La Crosse virus (LACV), are disclosed. Also described are reagents for use in diagnostic assays.

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